INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/004520

		101/012	004/001020
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01J49/10, G01N27/62, G01N27/64			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
Int.Cl ⁷ H01J49/00-49/48, G01N27/62, G01N27/64			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
Electionic data care constituted and ing are instituted and in a second constituted and ing are instituted and ing are instituted and in a second constituted and in a sec			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
· Y	JP 5-256837 A (Hitachi, Ltd.)		1,4-17,22
	08 October, 1993 (08.10.93), Par. Nos. [0020], [0021]; Fig (Family: none)	. 5	
Y	JP 2-122259 A (Shimadzu Corp.), 09 May, 1990 (09.05.90), Page 2, lower right column, lines 7 to 17; Fig. 2 (Family: none)		. 1,4,5,13-17, 22
. У	JP 9-304344 A (Hamamatsu Photonics Kabushiki Kaisha), 28 November, 1997 (28.11.97), Par. Nos. [0056] to [0062]; Figs. 13 to 16 (Family: none)		6-12
Year the documents are listed in the continuation of Box C. See patcnt family annex.			
"A" document defining the general state of the art which is not considered the principle to be of particular relevance		date and not in conflict with the applic the principle or theory underlying the	cation but cited to understand invention
"E" earlier application or patent but published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive	
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be	
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"P" document published prior to the international filing date but later than the priority date claimed		being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 06 July, 2004 (06.07.04)		Date of mailing of the international search report 27 July, 2004 (27.07.04)	
7,400.00		Authorized officer	
Japanese Patent Office		İ	
Facsimile No.		Telephone No.	

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